Figure 1 The structure of porous titanium under an optical microscope

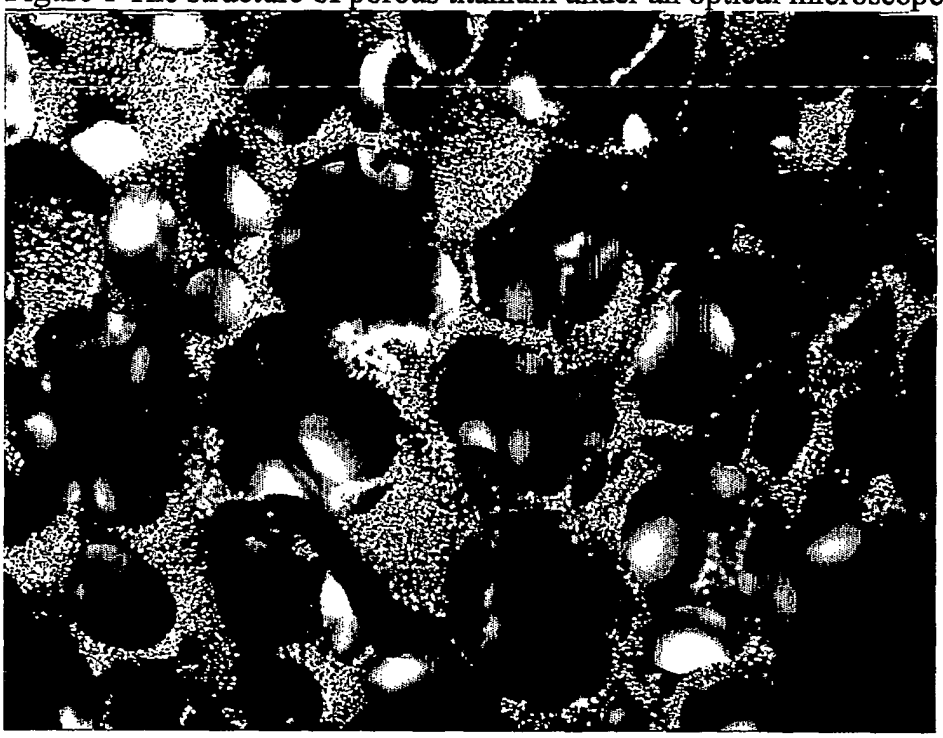


Fig. 2 The structure of porous titanium under SEM

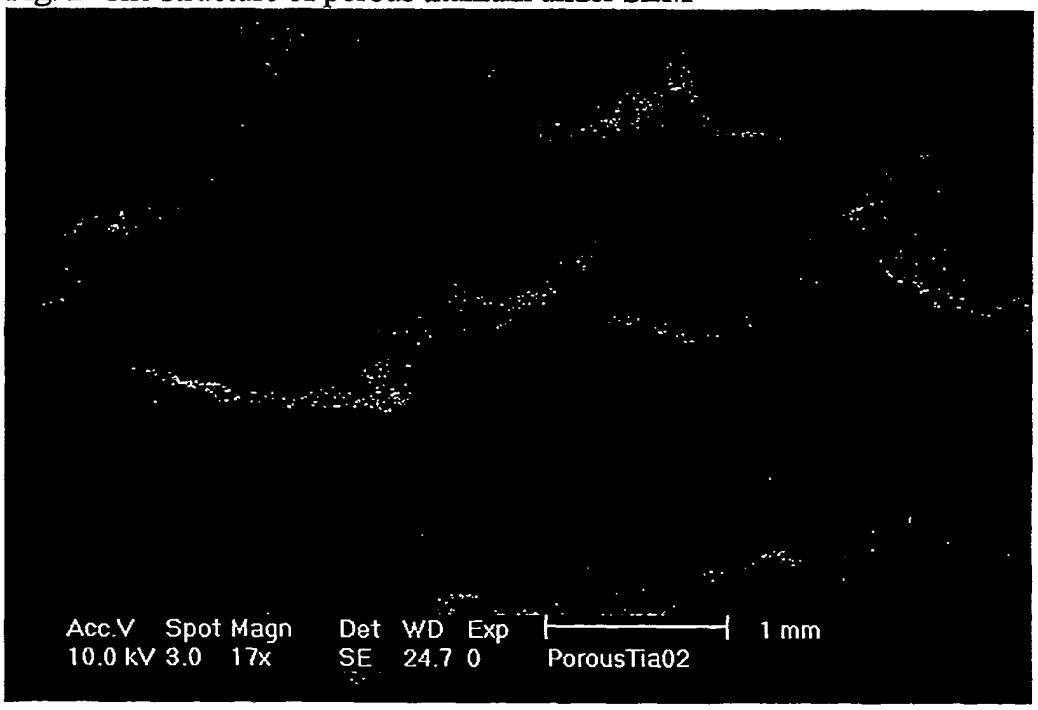


Fig. 3 The strut of porous titanium under SEM

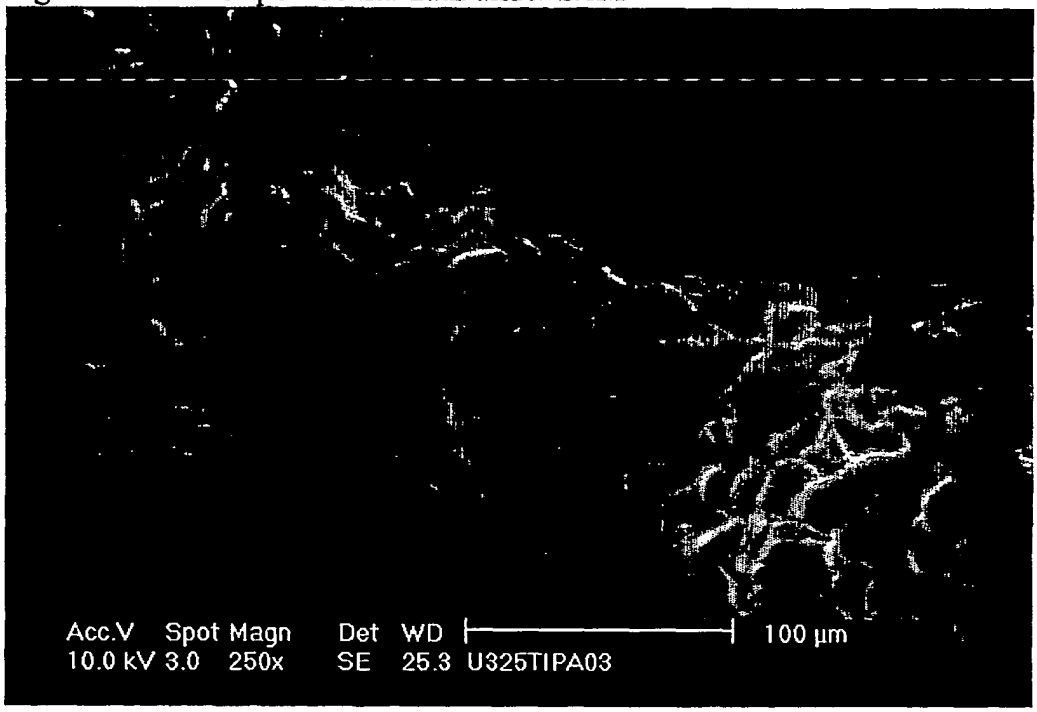


Fig. 4 The microstructure of porous titanium

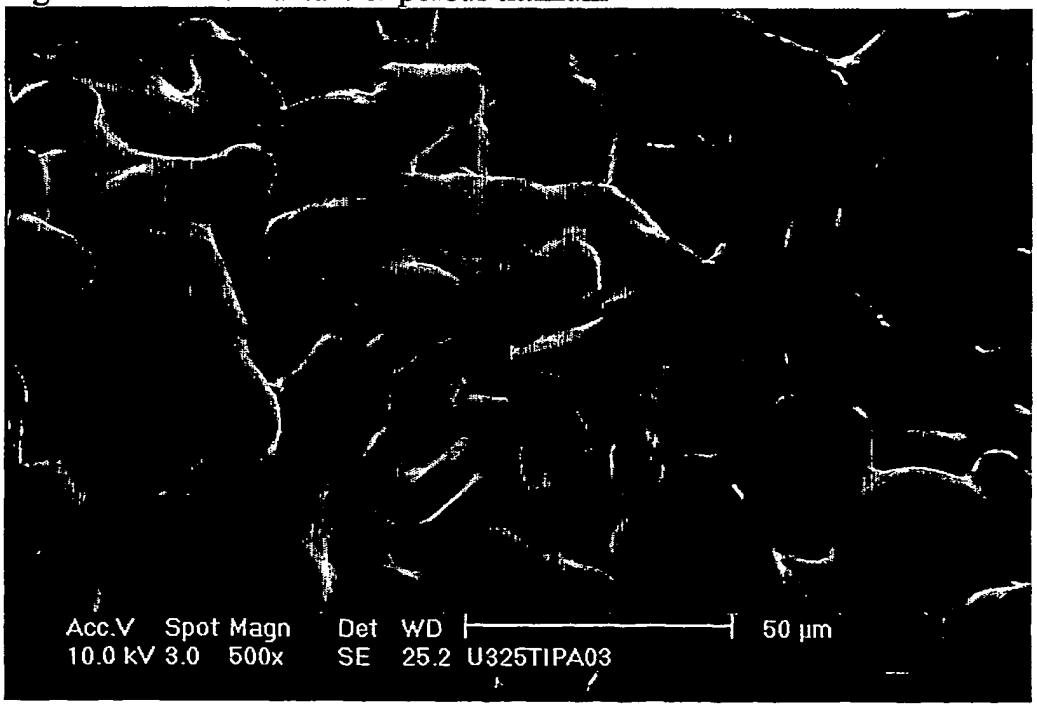


Fig. 5 The microstructure of porous titanium at a high magnification

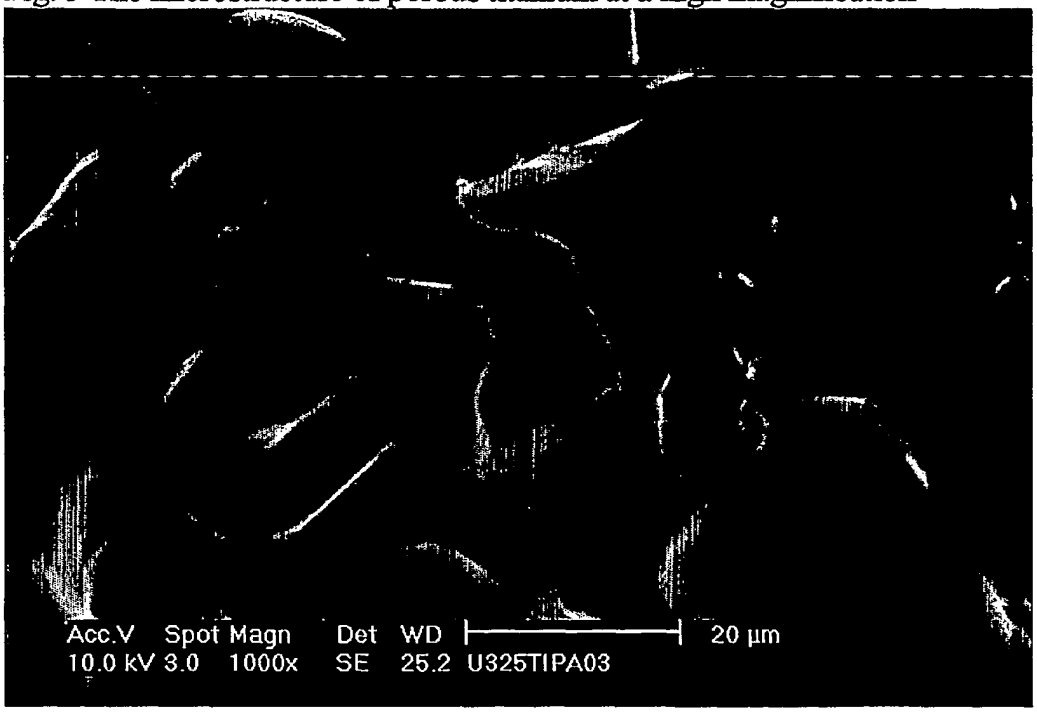


Fig 6 The structure of porous titanium under SEM

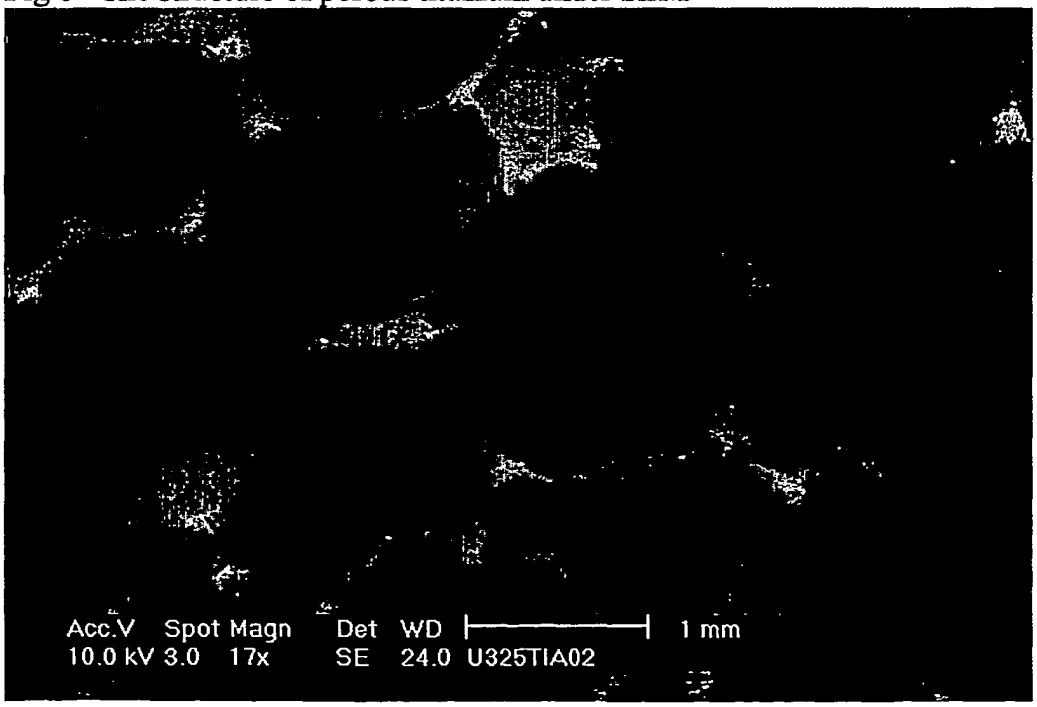


Figure 7 The strut of porous titanium at a high magnification

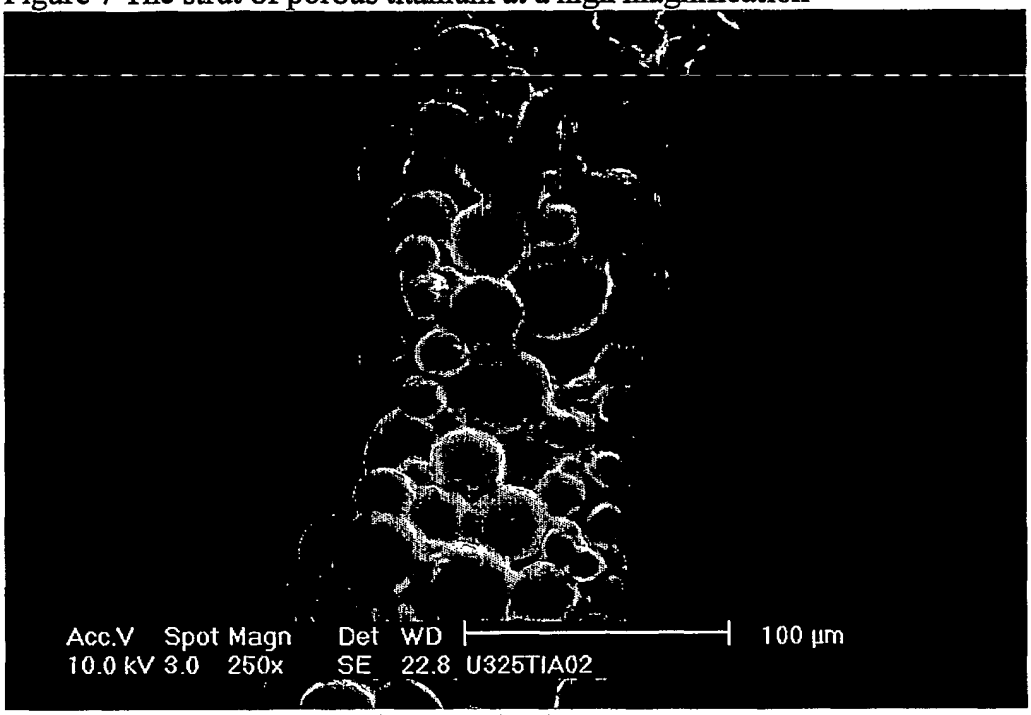


Fig. 8 The microstructure of porous titanium

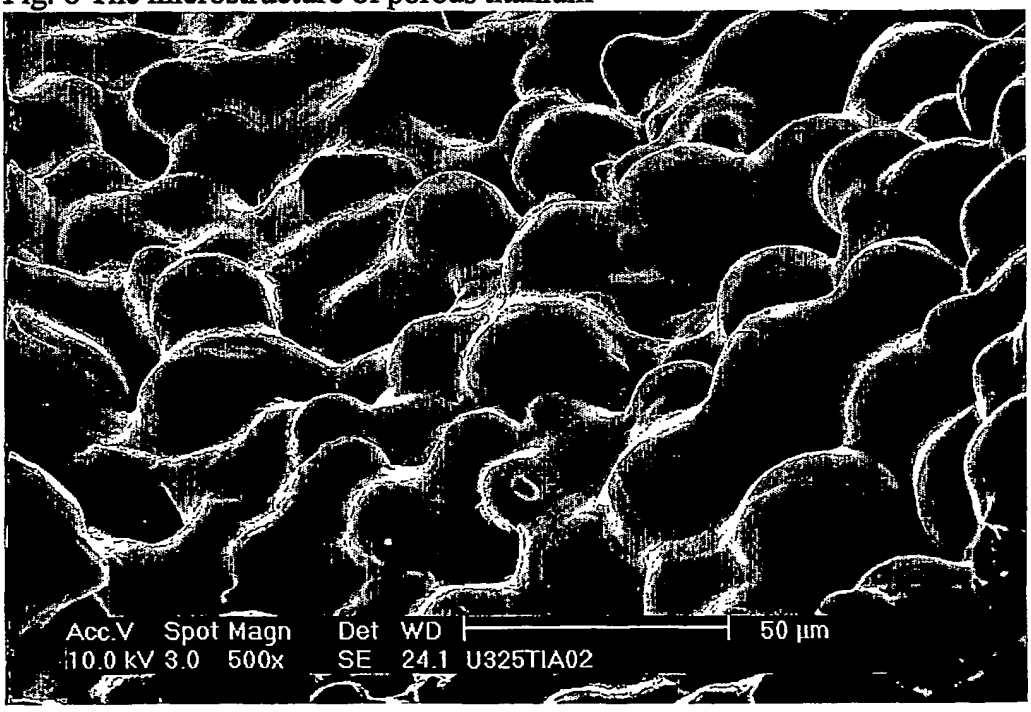


Figure 9 The microstructure of porous titanium at a high magnification

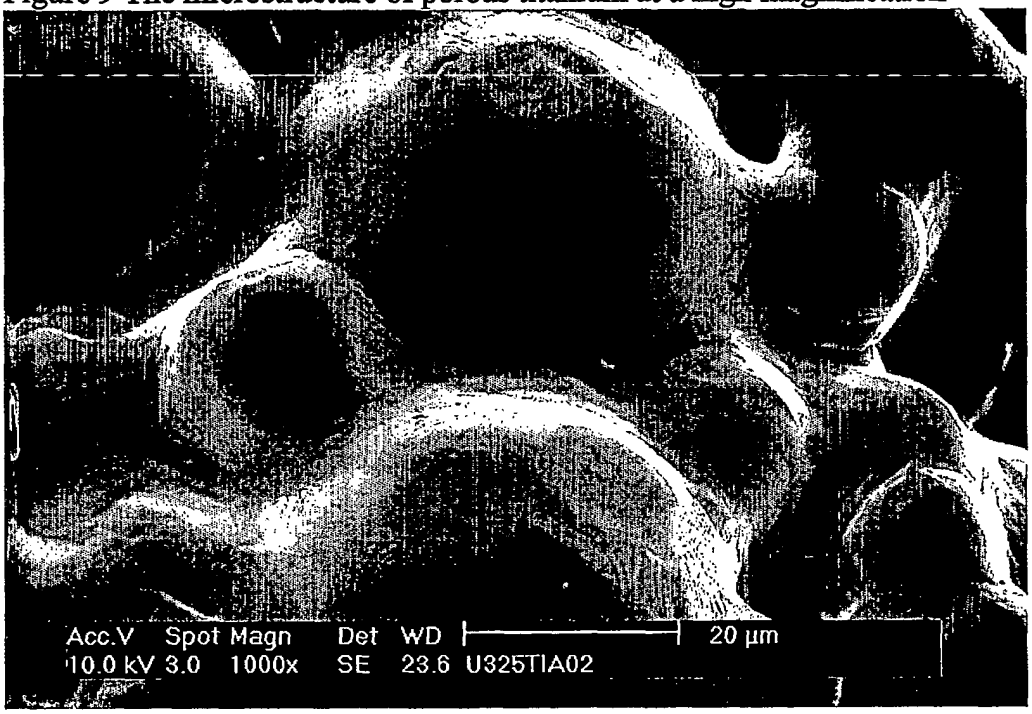


Fig10 Surface of porous coated layer

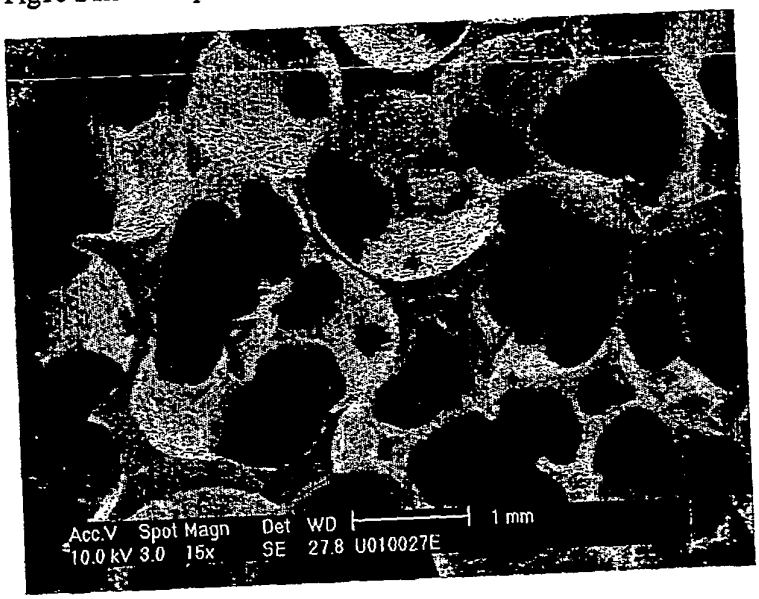


Fig11 Cross-section 0f porous coated layer

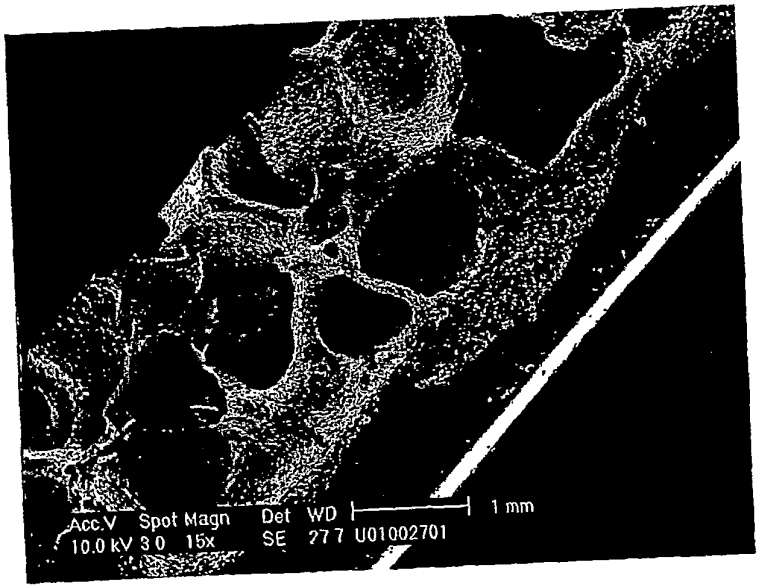


Fig12 Strut of porous coated layer

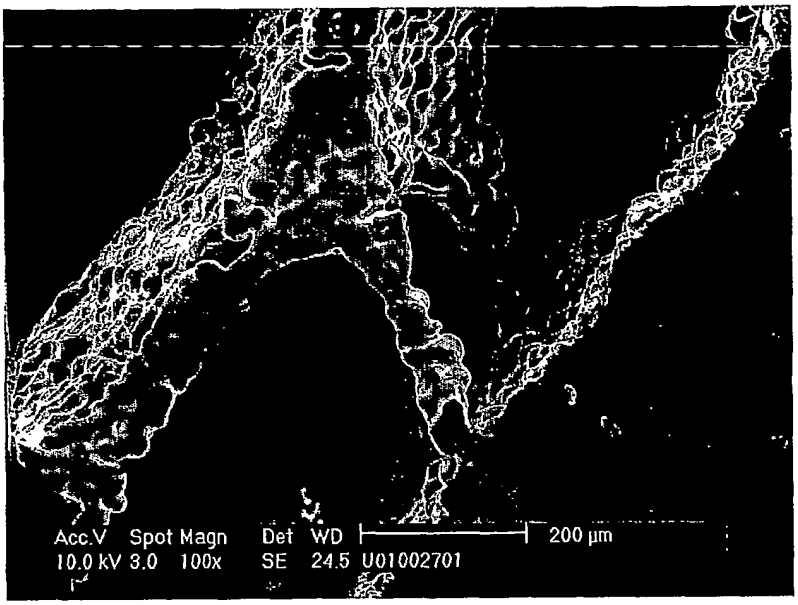
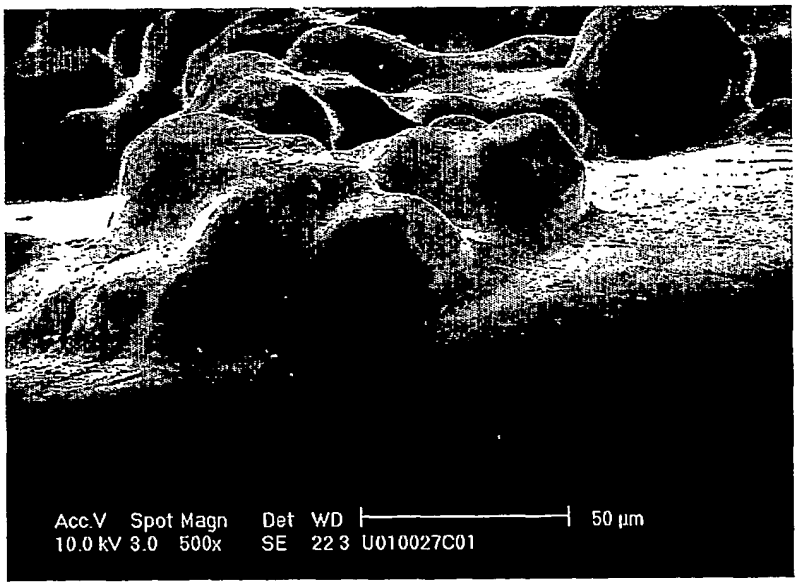


Fig 13 Diffusion of particles to substrate



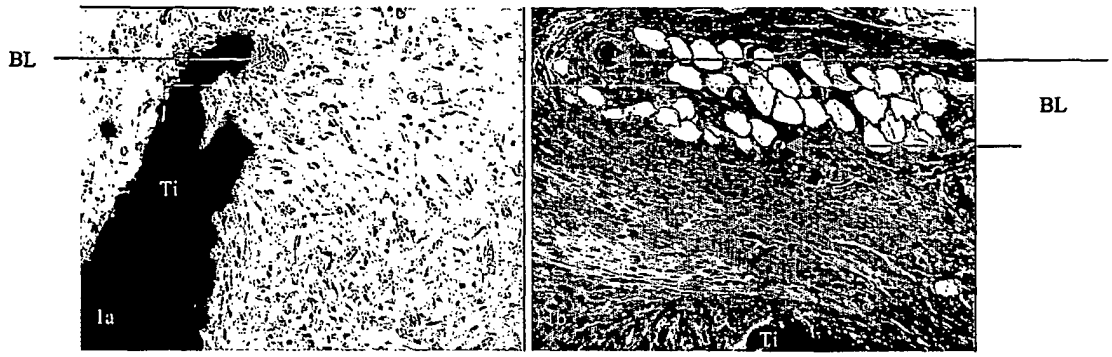


Figure 14; Histological photo of porous titanium implant magnification 100x, subcutaneous implanted for one week in wistar rats. Note the different tissue in the two pictures and blood vessels (BL) in photo 1b.

Figure 15; Histological picture of porous titanium (Ti6Al4V) implant magnification 100x, subcutaneous implanted for two weeks in wistar rats. Note the different tissue from the outside to the inside of the implant.

Figure 16; Histological photo of porous titanium (Ti6Al4V) implant magnification 100x, subcutaneous implanted for four weeks in wistar rats. Note the more blood vessels and encapsulation of the porous titanium. Also the different tissue around the implants and inside the implant.

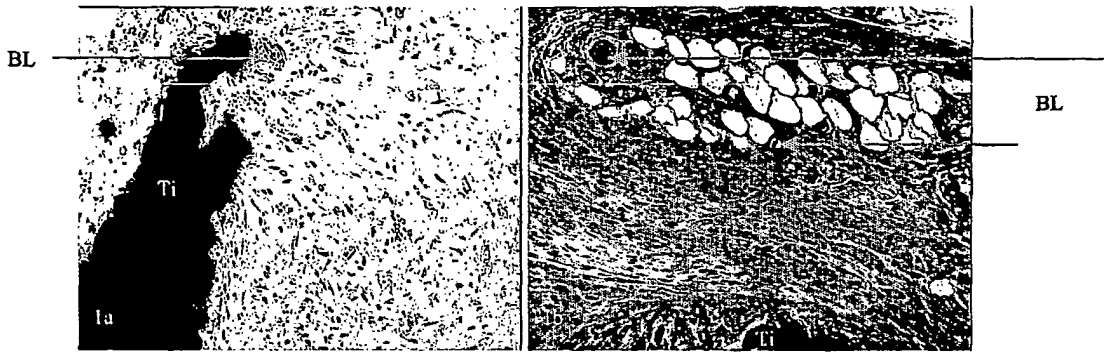


Figure 14; Histological photo of porous titanium implant magnification 100x, subcutaneous implanted for one week in wistar rats. Note the different tissue in the two pictures and blood vessels (BL) in photo 1b.

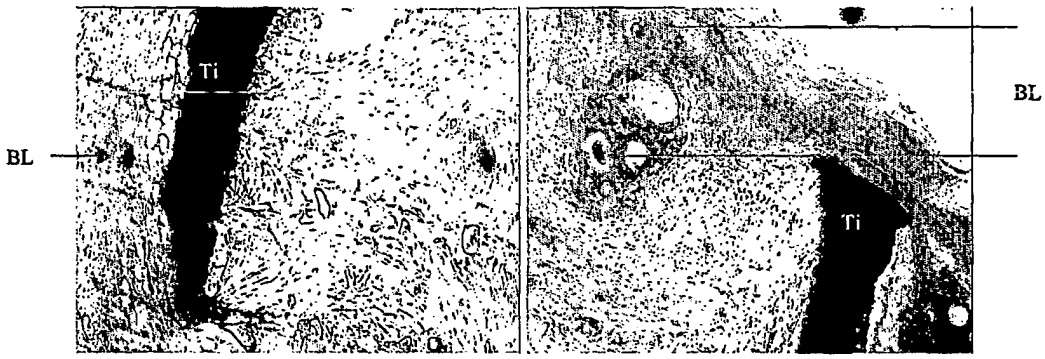


Figure 15; Histological picture of porous titanium (Ti6Al4V) implant magnification 100x, subcutaneous implanted for two weeks in wistar rats. Note the different tissue from the outside to the inside of the implant.

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